

Bayer

Buna EP

Ethylene-propylene rubber (EPM/EPDM)

Properties

Provided that the compounds are formulated and processed correctly, the vulcanizates have excellent resistance to weathering and ozone, good to very good aging resistance and low temperature flexibility, low electrical conductivity and satisfactory resistance to polar chemicals.

Applications

Technical moldings of all kinds; extrusions, e.g. profiles used in the construction and automotive industries; hose, sheet, open and closed cell sponge rubber; roll covers; low voltage cable insulation.

Product range and typical properties

Product	Mooney viscosity ⁽¹⁾ ML (1+4) 125°C	Mooney viscosity ⁽¹⁾ ML (1+8)	ENB content ⁽²⁾ (%)	Ethylene content (%) corr. ⁽³⁾	Physical form	Standard packaging
Copolymers						
Buna® EP T 2070	22	35 (100°C)	0	68	bales and pellets	34 kg bales, 24 bales per pallet
Terpolymers - low unsaturation						
Buna® EP T 6250	55	-	2	60	bales	34 kg bales, 24 bales per pallet
Buna® EP T 2370	16	25 (100°C)	3	72	bales	25 kg bales, 30 bales per pallet (pellets on request)
Terpolymers - medium unsaturation						
Buna® EP T 2460	21	33 (100°C)	4	62	► bales	► 34 kg bales, ► 24 bales per pallet
Buna® EP T 2450	22	35 (100°C)	4	59		
Buna® EP G 2470	24	-	4	69		
Buna® EP G 3440	28	-	4	48		
Buna® EP G 5450	46	-	4.5	52		
Buna® EP G 5455 (50 phr paraffinic oil)	46	-	4.5	55		► 25 kg bales. ► 35 bales per pallet
Buna® EP T 6465 (50 phr paraffinic oil)	53	37 (150°C)	4	64		34 kg bales, 24 bales per pallet
Buna® EP T 5459 (100 phr paraffinic oil)	54	38 (150°C)	4	59		25 kg bales, 30 bales per pallet
Buna® EP T 6470	57	55 (125°C)	4.5	68		bales and pellets 34 kg bales, 24 bales per pallet
Buna® EP G 8450	76	-	4.5	53	► bales	► 25 kg bales, ► 35 bales per pallet
Buna® EP G 3473 (30 phr paraffinic oil)	34	-	4.5	69		
Buna® EP G 6470	59	-	4.5	71		20 kg bales, 30 bales per pallet
Buna® EP G 8460	81	-	4.5	66		20 kg bales, 30 bales per pallet
Buna® EP G 5567 (75 phr paraffinic oil)	46	-	5	66		25 kg bales, 35 bales per pallet

⁽¹⁾ unmassed (DIN 53523; ASTM D 1646)

⁽²⁾ guide values

⁽³⁾ correction formula: $C_2 \text{ corr.} = C_2 \text{ uncorr.} \times$

$$\frac{(100 - \text{ENB}\%)}{100}$$

Density 0.86 g/cm³; for oil-extended grades 0.87 g/cm³